Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/18/2018 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123307	-2	1.75	123381	1.71
Blue	F	SSC	125000	124570	-1	1.53	125257	1.50
Blue	E	FITC	15760	15334	-3	2.89	331	22.71
Blue	D	PE	25880	25326	-3	1.93	549	17.11
Blue	B	PerCP-Cy5-5	34075	33740	-1	4.27	1032	23.06
Blue	A	PE-Cy7	22776	22758	-1	7.55	554	45.02
Red	C	APC	42488	41865	-2	2.77	1587	13.13
Red	A	APC-Cy7	24478	24102	-2	2.90	842	13.06
Violet	B	V450	6304	6137	-3	4.07	386	17.08
Violet	A	V500	26005	25156	-4	3.62	596	13.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20462	7.29	606	9	N/A	N/A	Pass
Blue	F	SSC	56455	1.06	573	18	N/A	N/A	Pass
Blue	E	FITC	59	77.66	561	5	0.0162	288	Pass
Blue	D	PE	114	58.57	555	6	0.1198	277	Pass
Blue	B	PerCP-Cy5-5	193	57.36	656	9	0.0072	92	Pass
Blue	A	PE-Cy7	108	113.60	710	13	0.0092	34	Pass
Red	C	APC	375	27.86	601	1	0.0208	162	Pass
Red	A	APC-Cy7	207	28.28	572	1	0.0045	762	Pass
Violet	B	V450	78	60.73	492	3	0.0234	2139	Pass
Violet	A	V500	93	46.42	509	3	0.0135	1484	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.17	-30.70	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.20	13.60 - 20.40	N/A	N/A	30.56	31.13	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10122

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments